

CLEMATIS PLANT NAMED 'VANSO'

LATIN NAME OF GENUS CLASSIFICATION

The botanical classification of the present invention
~~relates to a new Clematis plant is Clematis hybrid.~~

5 VARIETY DENOMINATION

The new plant has the varietal denomination 'VANSO'.

BACKGROUND OF THE INVENTION

The present invention relates to a new Clematis plant having the varietal denomination 'VANSO'. 'VANSO' was discovered 10 as a natural branch mutation of the variety 'MRS. CHALMONDELEY', not known to be patented.

SUMMARY OF THE INVENTION

The new variety is a Clematis plant with a climbing habit distinguished by production of fully double flowers. Asexual 15 reproduction of the new variety as performed by softwood cuttings in Boskoop, The Netherlands has confirmed that the distinguishing characteristics of the new variety are transmitted through succeeding generations and asexually reproduced plants of the new variety reproduce true-to-type.

20 COMPARISON WITH PARENT

The new variety differs from its parent, 'MRS. CHALMONDELEY', in producing flowers which are fully double; whereas flowers of the parent variety are single.

BRIEF DESCRIPTION OF ILLUSTRATIONS

25 The accompanying illustrations depict plants of the new variety in color as true as possible in color photographic illustrations of this nature.

FIG. 1 shows the plant of the new variety with a cluster of flowers; and

FIG. 2 shows a close up of the flower of the new variety.

DETAILED DESCRIPTION OF THE NEW VARIETY

5 The following is a description of the new variety taken from 2-year-old plants grown out-of-doors in 5 liter containers in Boskoop, The Netherlands during the month of June. Color designations used herein are from THE ROYAL HORTICULTURAL SOCIETY COLOUR CHART ("RHSC"). The age of the plants used for
10 the description is 2 years and were grown in 5 litre containers.

PLANT

The plant grows in a climbing habit and attains a height of slightly more than 2 M. with an average diameter of about 35 cm. and with vigorous growth.

15 FOLIAGE

Size: About 5 cm. to 8 cm. long, and up to about 4.8 cm. wide; diameter approximately 35 cm.

20 Quantity: About 6 leaves (3 pairs of opposite leaves) per about 15 cm. stem.

Leaf

Average length: About 15.3 cm.

Average width: About 9.3 cm.

25 Average length
of leaflets: About 5 to 8 cm; average about
6.2 cm.

Average width
of leaflets: About 2.7 to 4.8 cm; average
about 3.2 cm.

	Leaflet apex:	Apiculate
	Leaflet base:	Attenuate to acuminate
	Average petiole length:	About 7.5 cm.
5	Average petiole width:	About 2 mm.
	Color	
	Immature foliage	
10	Upper side:	Between <u>R.H.S.-CC</u> 141A and 143A
	Underside:	Between <u>R.H.S.-CC</u> 146A and 146B
	Mature foliage	
	Upper side:	Near 137A
	Under side:	Between <u>R.H.S.-CC</u> 137B and 137C
15	Shape:	Trifoliolate - leaflets are ovate to narrow ovate
	Texture	
	Upper side:	Smooth
	Under side:	Smooth
	Venation:	Anastomosing
20	Edge:	Smooth with no serration observed.
	Petiole color	
	Top surface:	Near 166A
	Under side:	Between <u>R.H.S.-CC</u> 143A and 141B
25	Stipules:	No <u>stipples</u> <u>stipules</u> observed
	Auricles:	No auricles observed
	Rachis:	Smooth
	STEM	
	Average length:	About 90 cm.
30	Average width:	About 3 mm.
	Texture:	Smooth, slightly glossy

Aspect: Ribbed lengthways with an average of 6 ribs

Average internode length: About 12.6 cm.

5 Color of young stem: Near R.H.S.-CC 143A to 143C to 144A

WOOD

10 Color: Color of new wood green to yellow green - near R.H.S.-CC 143A and 143C to 144A; color of old wood greyed-orange - near R.H.S.-CC 175A to 175B

Bark: Bark has short pale greyish hairs

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FLOWER: Not for use as a cut flower

Color: Clear blue double flowers

Shape of buds: Ovate

20 Average length of buds: About 2.4 cm.

Average width of buds: About 1.4 cm.

Color of buds: Yellow-green, near R.H.S.-CC 145A, with lighter axial stripes, near R.H.S.-CC 145D.

25 Average number of flowers and buds per plant per season: 7

Flower shape: RoundRotate

Average flower diameter: About 16.1 cm.

30 Average flower depth: About 6.7 cm.

Fragrance: Very faint, sweet

Tepals

5 Average number: 6 (occasionally 7 or 8)
 Average length: About 8 cm.
 Average width: About 4.9 cm.
 Shape: Obovate
 Apex: Mucronulate
 Base: Cuneate
 Margin: Entire

10 Color of tepal
 when young

Upper side: Violet-blue; near R.H.S.-CC 92A,
 tip and central band near the tip
 near R.H.S.-CC 71B to 71C

15 Under side: Violet-blue; near R.H.S.-CC 90D,
 with a broad central band near
R.H.S.-CC 145C to 145D (with a
 slight touch of violet-blue)

20 Color of tepal
 when mature

Upper side: Violet-blue; near R.H.S.-CC 91B
 with a lighter center near
R.H.S.-CC 91D and a small blotch
 near R.H.S.-CC 71C to 71D at the
 tip

25 Under side: Violet-blue; near R.H.S.-CC 91C;
 margins darker; near R.H.S.-CC
 91B and a broad central band near
R.H.S.-CC 145C to 145D

30 TepaloidsPetalooids: The flowers have no sepals,
 only petalooids

	Average number:	About 325
	Average length:	About 4.2 cm.
	Average width:	
	Outer	
5	(wider):	About 1.8 cm.
	Inner	
	(Narrower):	About 4.5 mm.
	Shape	
	Outer:	Obovate
10	Inner:	Linear
	Apex	
	Outer:	Rounded to praemorse
	Inner:	Acute
	Base:	Cuneate
15	Margin:	Entire
	Color when young	
	Upper side:	Outer <u>tepaloids</u> petalooids violet-blue near <u>R.H.S.-CC</u> 92A; tip violet near <u>R.H.S.-CC</u> 86B; inner <u>tepaloids</u> petalooids violet near <u>R.H.S.-CC</u> 86B to 86C
20	Under side:	Outer <u>tepaloids</u> petalooids violet-blue near <u>R.H.S.-CC</u> 90D, with a broad central band near <u>R.H.S.-CC</u> 145C to 145D; inner <u>tepaloids</u> petalooids violet-blue near <u>R.H.S.-CC</u> 91D
	Color when mature	
30	Upper side:	Outer <u>tepaloids</u> petalooids violet-blue near <u>R.H.S.-CC</u> 91A with a

5	Under side:	lighter center near <u>R.H.S.-CC</u> 91B to 91C; inner <u>tepalo</u> idspetalo ids violet-blue near <u>R.H.S.-CC</u> 92A
10	Average flower lastingness of individual flower:	Outer <u>tepalo</u> idspetalo ids violet-blue near <u>R.H.S.-CC</u> 91C to 91D, margins darker near <u>R.H.S.-CC</u> 91B and a central blotch near <u>R.H.S.-CC</u> 145D; inner <u>tepalo</u> idspetalo ids violet-blue near 91D
15	Time to produce a flowering plant:	20 days
20	Natural flowering season:	12 months
25	Flowers completely double; all reproductive organs transformed into <u>tepalo</u> idspetalo id. No pollen <u>areis</u> formed, no <u>anthers, no stigmas, or pistils</u> are present, no <u>fruits or seeds</u> <u>isare</u> produced.	June to September in Boskoop, The Netherlands
30	WINTER HARDINESS:	Winter hardy in USDA Zone 5
	RESISTANCE TO DISEASE:	No more susceptible to disease than its parent variety or other similar varieties.
	BREEDING:	Asexual reproduction was started from softwood cuttings during the

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summer months in tunnels. Natural mutation was observed when one branch of the parent variety flowered with double flowers. This mutation branch was then propagated by softwood cuttings.

STAMENS, FILAMENTS & ANTERS

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Arrangement:

Flowers are completely double, so no stamens, styles, etc. are visibly present. No seed formation observed.

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SUBSTITUTE SPECIFICATION
(Marked up Copy)

I CLAIM:

A new Clematis plant of the variety substantially as shown and described.

CLEMATIS PLANT NAMED 'VANSO'

ABSTRACT

Described as a new variety of Clematis which produces fully
5 doubled flowers of attractive coloration.